CO75 Carbon Monoxide (CO) Meter User Guide

1 Introduction

This CO Meter detects Carbon Monoxide (CO) from 0 to 1000 parts per million (PPM)

2 Safety Information-Read First:

· Do not use the Meter as a personal safety monitor
· Learn and recognize the effects of CO poisoning

0-1PPM	Normal background levels.
9 PPM	ASHRAE Standard 62-1989 for living areas.
35 PPM	HSE enclosed space 8-hour average level.
100 PPM	OSHA exposure limit.*
200 PPM	Mild headache, fatigue, nausea and dizziness.
800 PPM	Dizziness, nausea and convulsions. Death within 2 to 3 hours.
*U.S. Department of Labour, Occupational Safety & Health Administration (OSHA) Regulation 1917.24: The CO content in any enclosed space shall be maintained at not more than 50 PPM (0.005%). Remove employees from enclosed space if the CO concentration exceeds 100 PPM(0.01%).	

3 What the Meter Does:

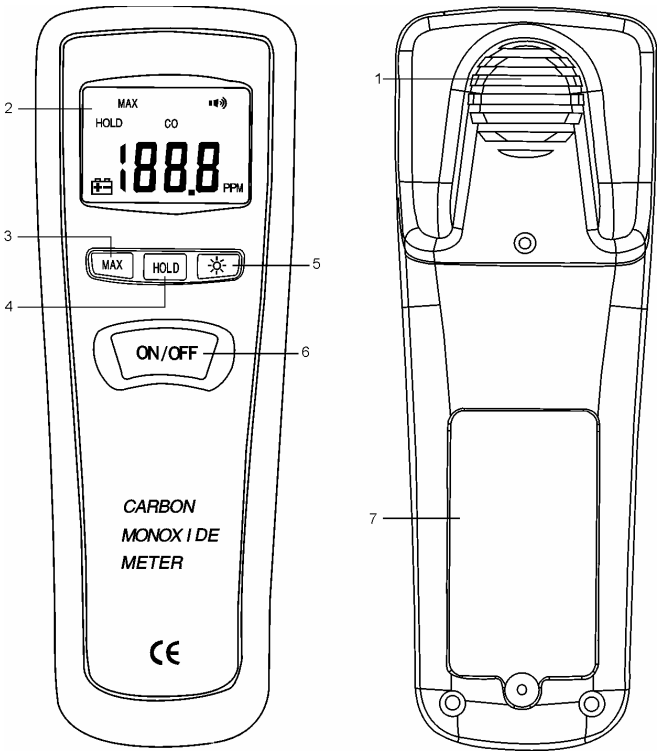
The Meter indicates CO levels on its' LCD display and by a beeper.
The beeper clicks like a Geiger counter and changes depending on the CO level:
- From 0 to 34 PPM, the meter makes no sound
- From 35 to 200 PPM, the beeper sounds discontinuously
- Above 200 PPM, the beeper sounds continuously

4 Specification

Temperature Operating: Storage:	 0 C to + 50 C -30 C to + 60 C
Operating humidity	0-99% Relative humidity (non-condensing)
Measurement range	0 to 1000 PPM
Measurement Resolution	1 PPM
Accuracy	±5% above 200 PPM, ±10 PPM below 200 PPM
Warm up period	<2 seconds
Battery	9V, PP3, NEDA 1604A or IEC 6LR61 (alkaline)
Auto power off	Meter automatically shuts down after 15 minutes of inactivity
Sensor type	Stabilized electrochemical Gas-specific (CO)
Typical sensor life	3 years

5 Using the meter:

1. CO sensor
2. LCD Display
3. MAX Hold button
4. Data Hold button
5. Back-light button
6. Power button
7. Battery door



POWER Button
Press POWER to turn on the meter.
Press POWER again to turn it off
After 15 minutes of inactivity, the meter automatically switches off to save battery life.

MAX Hold Button
This shows the highest reading recorded by the meter since being switched on.
1. Press MAX hold to display the highest reading.
2. Press MAX hold again to return to normal operation.

DATA HOLD Button
This "freezes" a measurement for later reference.
Press DATA HOLD to "freeze" the reading and "HOLD" will appear in the display.
Press DATA HOLD again to return to normal operation.

BACKLIGHT Button
Press BACKLIGHT to illuminate the display.
Press BACKLIGHT again to return to normal operation.

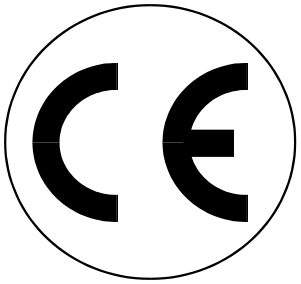
BATTERY REPLACEMENT
The meter's battery needs replacing when it displays:

Open battery cover and remove battery from meter
Insert a new 9-Volt alkaline battery and replace battery cover

6 Common Sources of CO:

· Poorly maintained fossil fuelled boilers, heaters or fireplaces.
· Dirty or blocked chimneys and flue exhausts.
· Poorly maintained gas, oil, or kerosene appliances.
· Internal combustion engines (e.g., vehicles, lawnmowers, blowers).

7 Electromagnetic Compatibility



This product has been tested for compliance with the following generic standards:

EN 61000-6-3
EN 61000-6-1

and is certified to be compliant

Specification EC/EMC/KI/CO75 details the specific test configuration, performance and conditions of use.

Please Note : Batteries used in this instrument should be disposed of in accordance with current legislation and local guidelines.

Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.